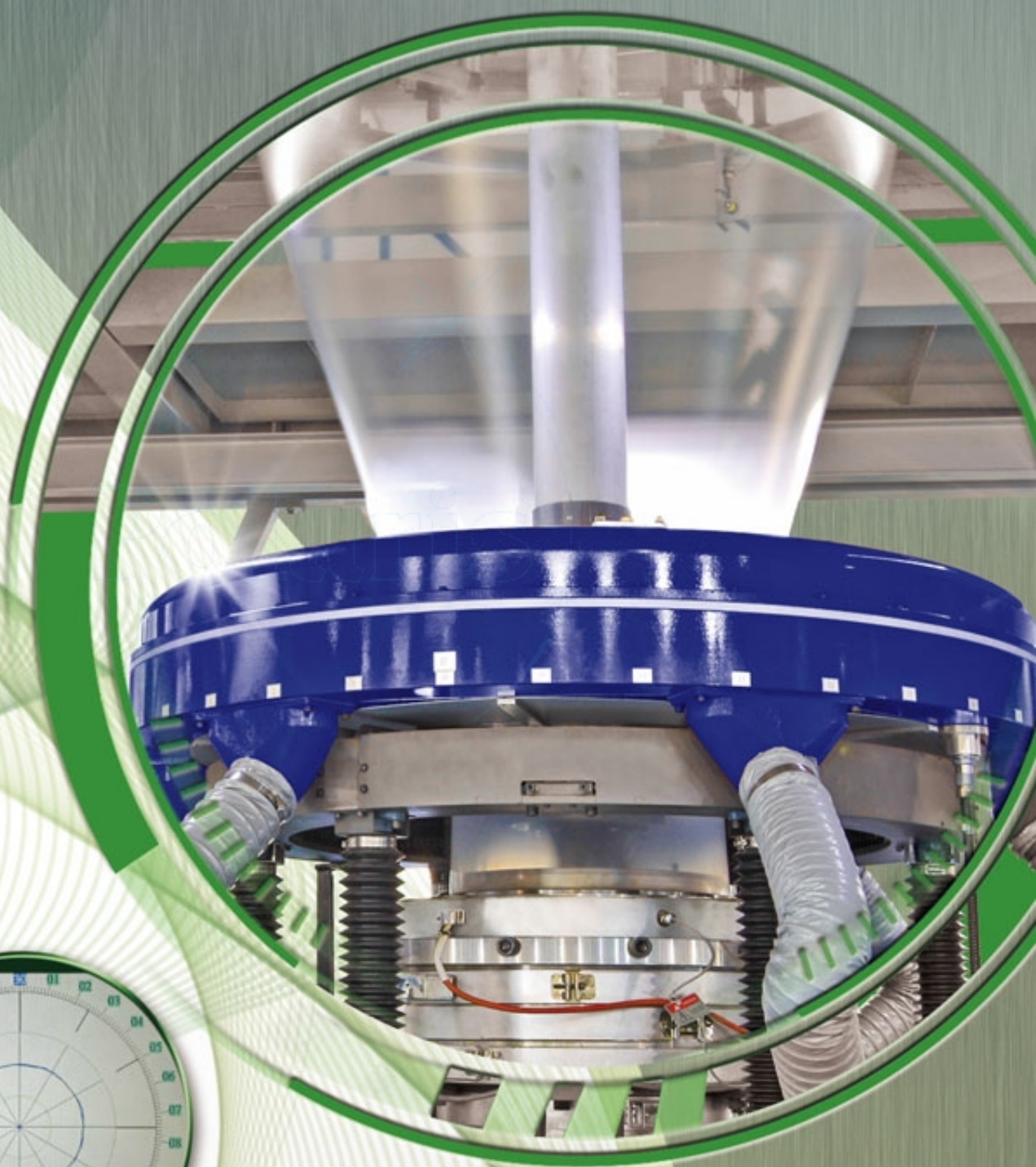
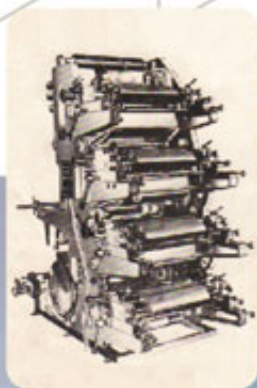




QUEEN'S
MACHINERY GROUP

昆信機械集團
QUEEN'S MACHINERY CO., LTD.





Founded in 1973 with its own research and develop team, Queen's Machinery continuously uphold the production of high quality research and to be a strong enterprise growth and development, marketing network of more 160 countries around the world, Queen's Machinery implementation of professional management, enterprise structure adjustment and vigorously to spend, making it a modern, efficient corporate body, has also created a proud performance, Queen's Machinery Group are based on pursuit of quality and excellence in product is our primary goal.

昆信機械集團，創立於1973並擁有自主的頂尖研發團隊，從創立以來30餘年，不斷的研發並秉持一貫的高品質生產使整個企業體得以穩健地成長茁壯，行銷網更遍及世界160餘國，在整個國際市場上佔了一席之地。昆信機械集團為落實專業經營理念，大力斥資調整企業結構，使其成為現代化，高效率的企業體，也因此創造了傲人的業績，然全體員工並不因此自滿，昆信機械集團乃以追求品質第一以及優秀的產品為目標，不斷推陳出新。正是昆信機械集團實踐對所有客戶做出貢獻的承諾。



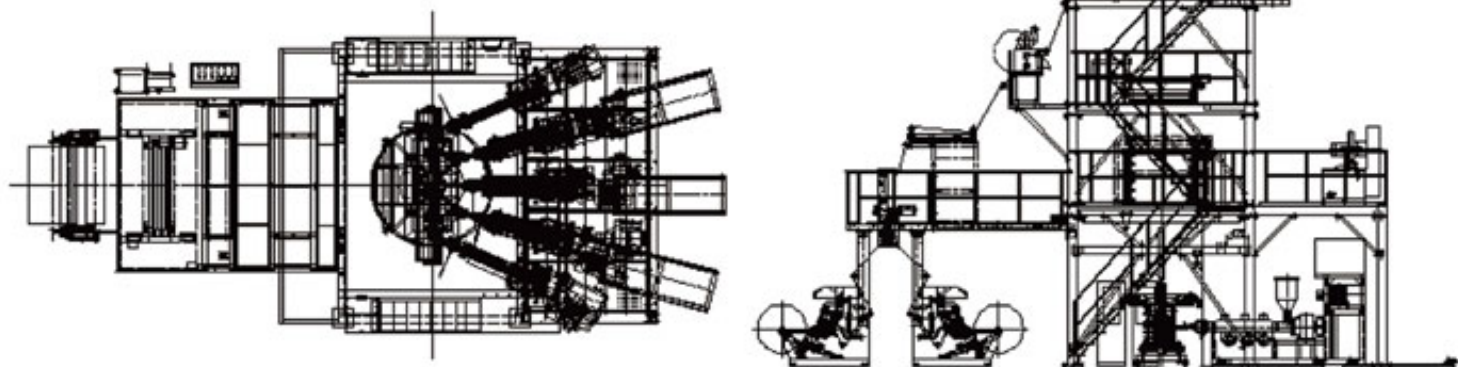
Multi Layer Film Blowing Line 多層共擠吹膜機



- A Die Head & Extruder 模頭押出機
- B I.B.C System
- C Thickness Measurement and Control System 自動厚薄控制
- D Oscillating Take up Unit 引取迴轉
- E Winder 捲取機

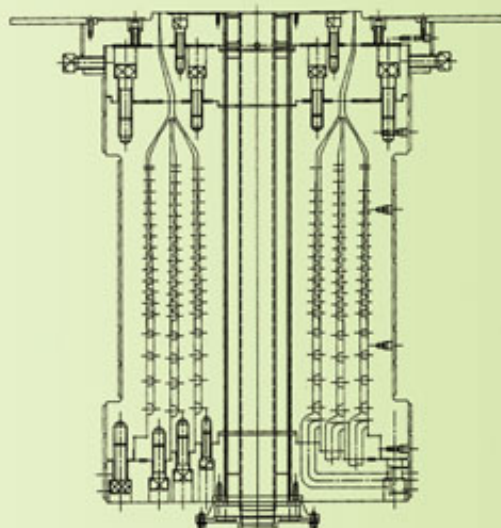
Multi Layer Film Blowing Line

多層共擠吹膜機



A

Die Head & Extruder 模頭押出機



The steel of Multi layer Die head has precisely manufacturing and spiral design, that makes the raw materials have more stability and high quality. And we provide the customize by using the different extruder for the customer needs.

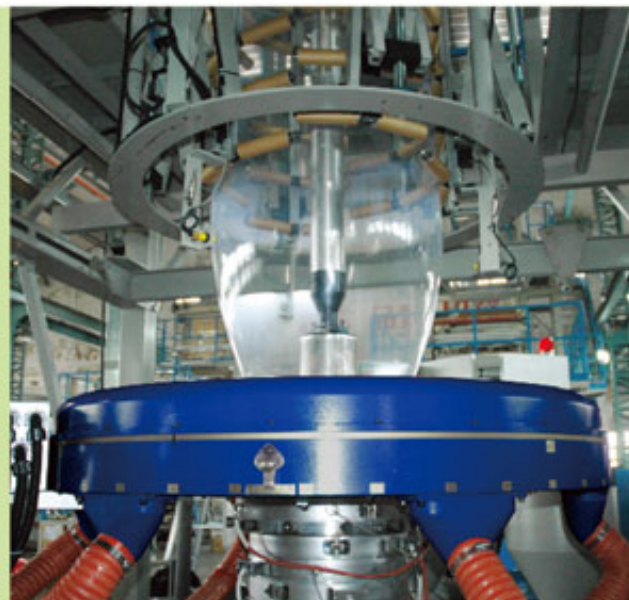
多層共擠模頭採取良好的鋼材加工過程及流道設計，使原物料有穩定的加工品質。並以客戶需求提供客製化的搭配，以不同押出機的搭配達到高產能及高品質。

B

I.B.C System

I.B.C system effective control the air circle inside the bubble, increasing the bubble stability and high output.

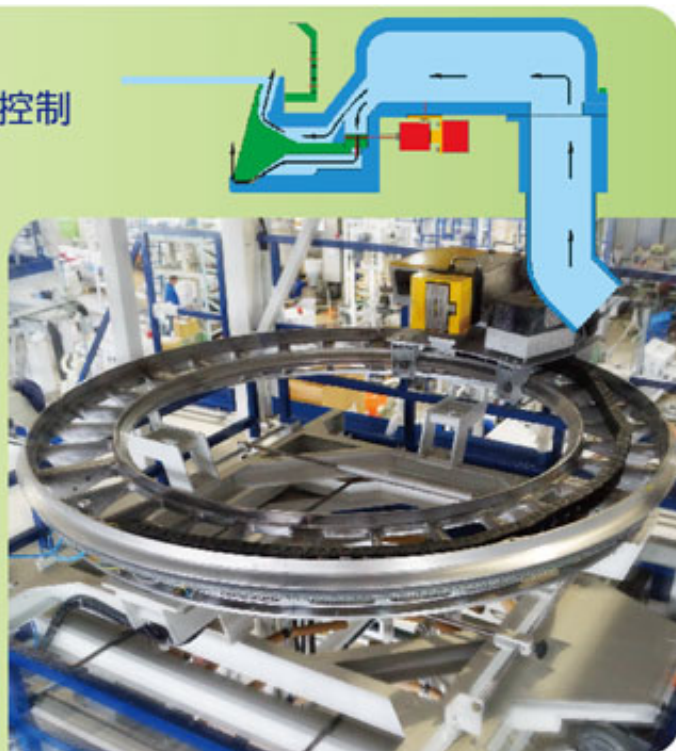
I.B.C系統提供有效的控制氣球內的空氣循環，達到產品的穩定性，提高產能以及有效的控制薄膜寬度。



C Thickness Measurement and Control System 自動厚薄控制

This unit is using capacitive profile sensor measure the film and using the 360 degree rotating rail. This will result in a precise profile measurement and using this data will effectively control the server motor inside the air ring. Effectively reduce the thickness max. 50%. The air ring is using the chiller cooler reduce the temperature of film and have more output.

此單元利用接觸式電容感應器，並採用360度正逆向軌道把測量後的薄膜數值經電腦演算後，有效的控制風環內的伺服馬達進而有效的降低厚薄公差最多50%。此風環使用冷凍風降低薄膜溫度，因此而提高產能。



D Oscillating Take up Unit 引取迴轉

The rotating tower averages the thickness of the film and using the specific coating on the roller and air. Effectively reduce the damage and cooling of the film.

水平式迴轉塔次單元採取正逆向迴轉使薄膜的收捲之平整，並於主夾輪後接觸薄膜的輪子採取特殊處理並以風管吹風方式有效的降低薄膜上的損傷及冷卻。



E Winder 捲取機

Automatically control panel and using tension control. Effectively control the production stability.

自動化及電腦化控制介面，並使用張力控制等有效的控制產品穩定性。



Model	META 50-55-50-1300	META 65-80-65-2100	META 653-502-1800	型號
EXTRUDER	(B)	(B)	(B+D)	押出機單元
Screw Dia.	Ø55mm	Ø80mm	Ø50mm * 2	螺桿直徑
Screw Length L/D	28/1 (Barrier Screw)	28/1 (Barrier Screw)	28/1 (Barrier Screw)	螺桿直徑比
Barrel Material	ACM2	ACM2	ACM2	料筒材質
Screw Material	ACM2	ACM2	ACM2	螺桿材質
Gear Material	SNCM 21	SNCM 21	SNCM 21	齒輪箱材質
Temperature Control Zones	3+1	4+2	(3+3) * 2	料筒溫控點
Barrel Cooling System	Air Cooling	Air Cooling	Air Cooling	料筒冷卻系統
Screen Filter	Standard * 1	Manual Screen Changer * 1	Manual Screen Changer * 2	濾網過濾系統
Max. Extrusion Output/hr	80 Kgs	180 kgs	55 kgs * 2	最大押出量
Main Motor	40 HP A.C Motor with Inverter	100 HP A.C with Inverter	30 HP A.C with Inverter * 2	主馬達

EXTRUDER	(A+C)	(A+C)	(A+C+E)	押出機單元
Screw Dia.	Ø50mm * 2	Ø65mm * 2	Ø65mm * 3	螺桿直徑
Screw Length L/D	28/1 (Barrier Screw)	28/1 (Barrier Screw)	28/1 (Barrier Screw)	螺桿直徑比
Barrel Material	ACM2	ACM2	ACM2	料筒材質
Screw Material	ACM2	ACM2	ACM2	螺桿材質
Gear Material	SNCM 21	SNCM 21	SNCM 21	齒輪箱材質
Temperature Control Zones	(3+1) * 2	(4+3) * 2	(4+3) * 2...A+E (4+2) * 1.....C	料筒溫控點
Barrel Cooling System	Air Cooling	Air Cooling	Air Cooling	料筒冷卻系統
Screen Filter	Standard * 2	Manual Screen Changer * 2	Manual Screen Changer * 3	濾網過濾系統
Max. Extrusion Output/hr	60 kgs * 2	120 kgs * 2	110 kgs * 3...A+C+E 100kgs * 2...A+E, 50kgs * 1...C	最大押出量
Main Motor	20 HP A.C Motor with Inverter * 2	60 HP A.C with Inverter * 2	60 HP A.C with Inverter * 3	主馬達

Inflation Spiral Dies	250 Ø mm	400 Ø mm	300 or 400 Ø mm (A+B+C+D+E)	模頭尺寸
Control Zone	5	8	6	控制區
Thickness of Tube	0.02-0.15 mm	0.02-0.15 mm	0.02-0.15 mm	薄膜厚度
Width of Tube	1200mm/Max	2000mm/Max	1700mm/Max...PE 1300~1600mm/Max...PA	薄膜寬度

COOLING EQUIPMENT				冷卻裝置
Aluminum Alloy Air Ring	Low Pressure High Air Velocity Design Air Ring	Low Pressure High Air Velocity	Design Air Ring	風環
Air Blower	10 HP A.C with Inverter	20 HP A.C with Inverter	20 HP A.C with Inverter	冷卻風車

TAKE-UP MACHINE				引取裝置
Rubber Roller	Ø160 * 1300 L/mm * 1	Ø210 * 2100 L/mm * 1	Ø210 * 1800 L/mm * 1	引取膠輪
Hard Chromium Steel Roller	Ø160 * 1300 L/mm * 1	Ø210 * 1800 L/mm * 1	Ø210 * 1800 L/mm * 1	引取鐵輪
Aluminum Guide Roller	Ø75 * 1300mm * 4	Ø100 * 2100 L/mm * 4	Ø100 * 1800 L/mm * 4	引取鋁輪
Take-up Motor	1 HP A.C with Inverter	2 HP A.C with Inverter	2 HP A.C with Inverter	引取馬達
Take-up Speed	8~60 M/Min/Max	6~40 M/Min/Max	6~40 M/Min/Max	引取速度
Bubble Stabilizer	1 Set	1 Set	1 Set	安定環
Expand Roller	1 pc	1 pc	1 pc	彎曲輪

WINDER	FBW Type Double Winder	FAW Type Double Winder	FDW Type Fully Auto. Double Winder (Surface Jumbo Type)	捲取單元
Winder Motor	1HP DC TORQUE	2HP DC TORQUE	2HP AC+INVERTER	捲取馬達
Winding Rubber Roller Dimensions	Ø260 * 1300 L/mm Ø110 * 1300 L/mm	Ø260 * 2100 L/mm Ø110 * 2100 L/mm	Ø380 * 1800 L/mm	捲取膠輪
Aluminum Roller Dimensions	Ø75 * 1300 L/mm	Ø100 * 2100 L/mm	Ø100 * 1800 L/mm	捲取鋁輪
Second Pinch Roller Motor	1HP DC TORQUE	2HP DC TORQUE	2HP DC TORQUE	副引取夾輪馬達
Second Rubber Roller	Ø110 * 1300 L/mm	Ø160 * 2100 L/mm	Ø160 * 1800 L/mm	副引取膠輪
Second Hard Chromium Steel Roller	Ø160 * 1300 L/mm	Ø210 * 2100 L/mm	Ø210 * 1800 L/mm	副引取鐵輪
Expand Roller	1 pc	1 pc	1 pc	彎曲輪
Pneumatic Valves	1 Package	1 Package	1 Package	氣壓缸
Max. Winding Dia.	Ø1000mm	Ø600mm	Ø1000mm	最大捲取直徑
Max. Winding Width	1200mm	2000mm	1700mm	最大捲取寬度
Machine Height	7.6~8.6 M/H	11.6 M/H	11.6 M/H	機器高度

Multi Layer

Film Blowing Line 多層共擠吹膜機

Two extruder Three layer

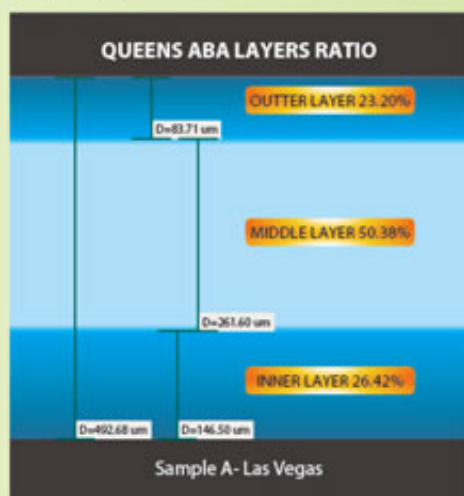
- Lower production cost / higher profit margin into the film middle layer (B) UP TO 100% of recycled material or up to 70% of filler CaCO_3
- Layers Max. distribution up to 1:3:1
- Excellent quality of outer layer (A) from virgin raw material covering the middle layer(B)
- Excellent sealing

QL Series



A**ABA or AB 膜頭配合雙押出機**

Two extruder with (ABA) three layer Die head.
or (AB) two layer Die head.

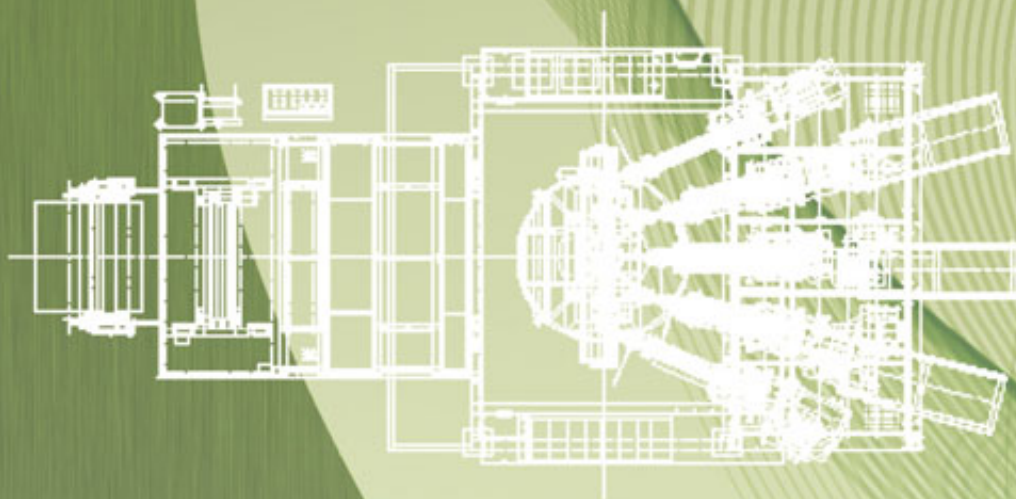
**B****GR-300Z 安定環**
Stabilizer**C****Oscillating Take up Unit**
引取迴轉**D****FCW 平軌道收捲機**
Single winder

分離式真空吸料機
Split Type Vacuum Autoloader Series
直截式乾燥機
Hopper Dryer Series



Model	EP- 452 - 650H		QL- 45 - 45 - 800H		QL - 45 - 55 - 1100H	
EXTRUDER	(A+B)		(A+B)		(A+B)	
Screw Dia.	Ø45	Ø45	Ø45	Ø45	Ø45	Ø55
Screw Length L/D	28/1		28/1		28/1	
Screw Material	ACM2		ACM2		ACM2	
Barrel Material	ACM2		ACM2		ACM2	
Temperature Control Zones	2+1	2+1	3+1	3+1	3+1	3+1
Screen Filter	Standard * 2		Standard * 2		Standard * 2	
Max.Extrusion Output/hr.	60 kgs		90 kgs		130 kgs	
Main Motor	20HP AC Motor+Inverter	20HP AC Motor+Inverter	20HP AC Motor+Inverter	20HP AC Motor+Inverter	20HP AC Motor+Inverter	40HP AC Motor+Inverter
Inflation Spiral Dies	80 mmØ (24 Line)		Ø80 / 100 mm (ABA) (選一)		Ø100 / 120 mm (ABA) (選一)	
Temperature Control Zones	1		3		3	
Thickness Of Tube	0.08 ~ 0.10 mm		0.015 ~ 0.10 mm		0.015 ~ 0.10 mm	
Width of Tube	600 mm/max.		700 mm/max.		1000 mm/max.	
Aluminum Air Ring	Air Cooling Ring		Air Cooling Ring		Air Cooling Ring	
Air Blower	5HP AC Motor		5HP AC Motor		7.5HP AC Motor+Inverter	
TAKE-UP MACHINE						
Rubber Roller	Ø160x650 w/mm		Ø160x800 w/mm		Ø160x1100 w/mm	
Hard Chromium Steel Roller	Ø160x650 w/mm		Ø160x800 w/mm		Ø160x1100 w/mm	
Aluminum Guide Roller	Ø56 mm x 4		Ø56 mm x 4		Ø75 mm x 4	
Take-Up Motor	1 / 2 hp AC with Inverter		1 / 2 hp AC with Inverter		1 hp AC with Inverter	
Take-Up Speed	100 M/min		100 M/min		100 M/min	
WINDER TYPE	W-240 鐵輪，手歸，手割，鍊條座		FCW 膠輪，手歸，氣割，平軌道， 有副引取，無油壓卸袋		FCW 膠輪，手歸，氣割，平軌道， 有副引取，無油壓卸袋	
Winder Motor	20 kg/cm2 AC		1 hp DC Torque		1 hp DC Torque	
Winding Rubber Roller	X		Ø260x800 w/mm Ø110x1600 w/mm		Ø260x1100 w/mm Ø110x110 w/mm	
Winding Hard Chromium Steel Roller	Ø240x650 w/mm		X		X	
Winding Aluminum Roller	Ø56 mm x 2		Ø75 mm x 2		Ø75 mm x 2	
Second Pinch Roller Motor	X		1 hp DC Torque		1 hp DC Torque	
Second Hard Chromium Roller	X		Ø160 mm x 1		Ø160 mm x 1	
Second Rubber Roller	X		Ø110 mm x 1		Ø110 mm x 1	
Max. Winding Dia.	Ø1000 mm		Ø1000 mm		Ø1000 mm	
Max. Winding Width	600 w/mm		700 w/mm		1000 w/mm	
Machine Height	4.5 M		5 M		5.5 M	

QL- 55 - 65 - 1300H		QL- 65 - 80 - 1600H		Q'PLAS - 65 - 80 - 1600H		型 號
(A+B)		(A+B)		(A+B)		押出機單元
Ø55	Ø65	Ø65	Ø80	Ø65	Ø80	螺桿直徑
28/1		28/1		28/1 強迫入料		螺桿直徑比
ACM2		ACM2		Bi-Metallic		螺桿材質
ACM2		ACM2		Bi-Metallic		料筒材質
3+1	4+1	4+1	4+1	4+1	4+1	溫控點
Standard * 2		Standard * 2		Manual Screen Changer *2		濾網系統
180 kgs		280 kgs		400 kgs		最大押出量
40HP AC Motor+Inverter	50HP AC Motor+Inverter	50HP AC Motor+Inverter	100HP AC Motor+Inverter	75HP AC Motor+Inverter	150HP AC Motor+Inverter	主馬達
Ø120 / 150 mm (ABA) (選一)		Ø175 / 225 mm (ABA) (選一)		Ø175 / 225 mm (ABA) (選一)		模頭尺寸
3		3		6 (I.B.C.)		模投溫控點
0.015 ~ 0.10 mm		0.015 ~ 0.10 mm		0.015 ~ 0.10 mm		薄膜厚度
1200 mm/max.		1500 mm/max.		1500 mm/max.		最大薄膜寬度
Air Cooling Ring		Air Cooling Ring		Air Cooling Ring		鋁合金風環
10HP AC Motor+Inverter		15HP AC Motor+Inverter		20HP AC Motor+Inverter		風環冷卻風車
				Oscillating Tower		引取機架
Ø160x1300 w/mm		Ø160x1600 w/mm		Ø210x1600 w/mm		引取膠輪
Ø160x1300 w/mm		Ø160x1600 w/mm		Ø210x1600 w/mm (新上迴)		引取鐵輪
Ø75 mm x 4		Ø75 mm x 4		Ø100 mm x 4 (新上迴)		引取鋁倒輪
1 hp AC with Inverter		2 hp AC with Inverte		2 hp AC with Inverte		引取馬達
80 M/min		80 M/min		120 M/min		引取速度
FBW 膠輪, 手歸, 氣割, 平軌道, 有副引取, 無油壓卸袋		FAW 膠輪, 手歸, 氣割, 平軌道, 有副引取, 無油壓卸袋		FDW 膠輪, 自歸, 氣割, 平軌道, 有副引取, 有油壓卸袋		捲取機
1 hp DC Torque		2 hp DC Torque		2 hp DC Torque		捲取馬達
Ø260x1300 w/mm Ø110x1300 w/mm		Ø260x1600 w/mm Ø110x1600 w/mm		Ø380x1600 w/mm		捲取膠輪
X		X		X		捲取鐵輪
Ø75 mm x 2		Ø75 mm x 2		Ø100 mm x 2		捲取鋁輪
1 hp DC Torque		2 hp DC Torque		2 hp AC with Inverter		副夾輪馬達
Ø160 mm x 1		Ø160 mm x 1		Ø160 mm x 1		副夾輪鐵輪
Ø110 mm x 1		Ø110 mm x 1		Ø110 mm x 1		副夾輪膠輪
Ø1000 mm		Ø800 mm		Ø800 mm		最大捲取直徑
1200 w/mm		1500 w/mm		1500 w/mm		最大捲取寬度
7M		8.5M		11.5 M		機架高度



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